

FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	25	10
	NO.			
	SHEET	OF		

PROJECT NAME:	PAVILLION DRILLING LOCKER HULL	PROJECT NO.:	135976
FIELD ACTIVITY SUBJECT: TRIPPING OUT OF HOLE FOR GEOPHYSICAL LOGGING			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
7:00	SHAW + BOART ON-SITE		
7:15	TMC GATE SAFETY MEETING EPA ON-SITE		
8:10	TRIPPING OUT OF THE HOLE FOR LOGGING WHICH INCLUDES CLEANING OUT THE HOLE WHILE PULLING THE DRILL RODS.		
12:00	GAIL BAUER WITH COLOG ON-SITE		
12:10	STEVE HIATT CONDUCTING SAFETY MEETING WITH GAIL BAUER		
12:45	DRILLER OUT OF THE HOLE WITH DRILL PIPE STANDBY TIME STARTS NOW FOR BOART LUMBER		
	LOGGING SETUP FOR CALIPER GAMMA		
13:30	LOGGING DOWN UP FROM BOTTOM LOG STOPPED AT 980 FT LOG UP FROM 980 FT - CALIPER SHOWS 8" HOLE FROM 908 TO 980 FT - BRIDGE OF SHALING CLAY AT 620 FT		
14:05	FINISHED CALIPER GAMMA LOG		
14:30	STARTING RESISTIVITY CALIPER LOG		
14:45	ON BOTTOM AT 979.6 FT START LOGGING RESISTIVITY		
15:10	TOOL STOPPED COMMUNICATING AT 160 FT PUT IN ANOTHER RESISTIVITY TOOL. NOT WORKING		
15:30	START GAMMA GAMMA DENSITY DOWN THE HOLE		
16:10	ON BOTTOM WITH TOOL LOGGING UP THE HOLE		
17:00	FINISHED LOGGING WITH GAMMA GAMMA DENSITY LOG		
17:15	RERUNNING 100 FT - 160 FT FOR RESISTIVITY LOG STILL DOES NOT WORK		
17:45	STANDBY TIME STOPS - CLOSE ROD ON DRILL PIPE		
18:00	BOART OFF-SITE		
18:45	SHAW, EPA, + COLOG OFF-SITE		
VISITORS ON SITE: RUSS COY, ADAM ENSIGN, TIM REGAN, CODY SEAL, RILEY OSTROM, GAIL BAUER WITH COLOG, DOM DIGIULLIO WITH EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:	
WEATHER CONDITIONS: SUNNY 65°F		IMPORTANT TELEPHONE CALLS:	
SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HIATT			
SIGNATURE: <i>James A. Wilson</i>		DATE: 6/25/10	

FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	26	10
	NO.			
	SHEET	OF		

PROJECT NAME: PAVILLION DRILLING	PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: TRIP DALL STAINING TO BOTTOM AND CONDITION MUD	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
<p>7:00 SHAW AND BURAT LONGYEAR ON-SITE</p> <p>7:30 TAILGATE SAFETY MEETING EPA ON-SITE</p> <p>8:00 TRIPPING BACK DOWN THE HOLE WHILE CONDITIONING THE MUD ADDED 13 LBS OF FZ MUD TO HOLD BACK HEAVING SHALE</p> <p>10:00 READING THROUGH HEAVY SHALE FROM 550 FT-AGE TO 650 FT-AGE</p> <p>12:30 STOPPED FOR THUNDERSTORMS</p> <p>13:20 WORK RESUMED</p> <p>13:35 BLEW A FUSE IN ONE OF THE MUD SHAKER MOTORS - REPLACING AFTER FIXING THE SHORT CIRCUIT</p> <p>14:30 STOPPED FOR THUNDERSTORMS</p> <p>15:30 WORK RESUMED WORKING ON SHAKER MOTOR</p> <p>17:00 SHAKER MOTOR FIXED AND RESUMED CONDITIONING AND READING DOWN THE HOLE.</p> <p>MUD - VIS 69 WT 10.2</p> <p>18:45 READING THROUGH 765 FT-AGE TO 785 FT-AGE EPA OFF-SITE</p> <p>19:20 STOPPED AT 795 FT-AGE</p> <p>19:30 CLOSED BOP ON DRILL PIPE</p> <p>19:40 SHAW & BURAT OFF-SITE</p>	
VISITORS ON SITE: RUSSELL, JIM EGGERS, CODY SEAN, ADAM ENSIGN, RAY OSTLER	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
DOM DIGILLIO WITH EPA	
WEATHER CONDITIONS: SUNNY 67°F	IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HIATT	
SIGNATURE: <i>Jim Wilson</i>	DATE: 6/26/10

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FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	27	10
	NO.			
	SHEET	1	OF	2

PROJECT NAME: EPA PAVILLION DRILLING	PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: TRIPPING + CONDITIONAL MUD + SETTING 4" CASING	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
<p>7:00 SHAW, BUART LONGHEAR ON-SITE</p> <p>7:15 TAILGATE SAFETY MEETING</p> <p>7:45 OPEN THE BOP + START TRIPPING DOWN FROM 795 FT-BGS</p> <p>8:00 DON DIGUILLIO WITH EPA ON-SITE</p> <p>9:00 DOWN TO 916 FT-BGS WITH A CLEAN HOLE FROM 795 FT-916 FT ADDED GLBS OF BEMUD VLS 68 WT 10.6 1.75% SAND PH 8</p> <p>10:45 DOWN TO 980 FT-BGS WHERE CUTTINGS FAILED THE HOLE TO</p> <p>11:00 ON BOTTOM AT 997 FT-BGS CIRCULATING UP AND CLEANING HOLE OUT BEFORE TRIPPING BACK OUT</p> <p>12:15 TRIPPING BACK OUT OF THE HOLE FROM 997 FT-BGS</p> <p>13:00 WATER TRUCK FILLED AND RETURNS TO SITE. DECOMING TRENCH PIPE</p> <p>14:30 OUT OF THE HOLE WITH THE DRILL PIPE</p> <p>15:30 ATTACHING GAUT BASKET TO 20 FOOT PRE PACKED SCREEN WHICH IS 8.5 INCHES IN DIAMETER AND 20 FT 9 INCHES LONG GAUT BASKET IS 1 FT 10 INCHES</p> <p>16:30 GOING DOWN WITH 4" TNC PIPE 20 FOOT LONG JOINTS WITH THREADED COUPLERS</p> <p>20:20 4" CASING SET WITH SCREEN SET AT 960 FT TO 980 FT AND CASING SET FROM 28 FT ABOVE GROUND TO 960 FT</p> <p>20:40 GOING DOWN WITH 2" TRENCH PIPE DOWN TO 960 FT ON TOP OF COND. PACKED SCREEN</p> <p>22:00 SANDING UP FIVE FEET ABOVE TOP OF SCREEN WITH 100 LBS OF SAND</p> <p>22:30 PUMPED IN 30 GALLONS OF GAUT TO BAIL UP 10 FEET ABOVE SAND</p>	
<p>VISITORS ON SITE: RUSS UTTO, JIM EGGERS, CODY SEAL, ADAM ENSIGN, RILEY OSTROM</p> <p>DON DIGUILLIO WITH EPA</p>	<p>CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:</p>
<p>WEATHER CONDITIONS:</p> <p>SUNNY 65°F</p>	<p>IMPORTANT TELEPHONE CALLS:</p>
<p>SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HART</p>	
<p>SIGNATURE: <i>James A. Wilson</i></p>	<p>DATE: 6/27/10</p>



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Daily Log	Date	6	27	10
	No.			
	Sheet	2	of	2

**FIELD ACTIVITY DAILY LOG
CONTINUATION SHEET**

PROJECT NAME: EPA PAVILLION DRILLING	PROJECT NO. 135 976
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FIELD ACTIVITY SUBJECT: SETTING 4" TNC CASING

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: 23:30 SHAW + BOART OFF-SITE
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FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	28	10
	NO.			
	SHEET	OF		

PROJECT NAME: EPA PAVILLION DRILLING	PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: CEMENT GROUT THE 4" TNC CASING	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
7:00	SHAW ON-SITE
8:00	BOART ON-SITE
8:15	TAILGATE SAFETY MEETING
8:30	BOART PREPARING FOR GROUTING IN THE 4" TNC CASING FROM GROUND SURFACE TO 950 FT-BGS WHICH IS THE TOP OF THE 10 FOOT GROUT PROVE THE SCABER SET FROM 960 FT-BGS TO 980 FT-BGS AND GROUT FROM 950 FT-BGS TO 960 FT-BGS.
9:00	DOH DISCUSS WITH EPA ON-SITE
10:00	BOART WORKING TO UNSTICK THE 2" TNC PIPE DOWN AT 900 FT-BGS BEFORE GETTING THE CEMENT TRUCK ON-SITE
11:00	BOART WOUND A FITTING TO CONNECT THE TNC PIPE TO THE KELLY HEAD AND IT SNAPPED AFTER TONGUED UP THE PIPE DRILL STRING
11:00	JAMES SMITH WITH BOART LONGYEAR ON-SITE WITH HEALTH AND SAFETY
19:00	BOART RODE THE PIPE WITH A STEEL PIN
20:15	RUDS PULLED LUDER BUT NO WATER WOULD PUMP THROUGH PIPE
21:00	REPLACING BROKEN CABLES
21:30	SHAW, BOART + EPA OFF-SITE
VISITORS ON SITE: RUSS COTO, JIM ELLIS, CORY SEAL, ADAM BRISIN, RILEY OSTLER, JAMES SMITH WITH BOART LONGYEAR, DOH DISCUSS WITH EPA	
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:	
WEATHER CONDITIONS: SUNNY 70° F	
IMPORTANT TELEPHONE CALLS:	
SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HIAAT	
SIGNATURE: <u>Jim Wilson</u> DATE: 6/28/10	



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**FIELD ACTIVITY
DAILY LOG**

DAILY LOG	DATE	6	29	10
	NO.			
	SHEET	1	OF	

PROJECT NAME: EPA PAVILLION DRILLING	PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: CEMENT CAULT TAP 4" TNC CASING	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
<p>7:00 BOAT + SHAW ON SITE</p> <p>7:20 EPA ON SITE</p> <p>7:30 TAILGATE SAFETY MEETING</p> <p>8:15 BOAT WORKING TO REPLACE FRAYED CABLES ON WENCH</p> <p>12:00 BOAT TRIPPING OUT OF HOLE WITH TRAMP PIPE</p> <p>14:30 OUT OF THE HOLE WITH THE TRAMP PIPE → 14' OF THE PIPE WAS CLOGGED WITH MUD - REPLACING CLOGGED PIPE WITH NEW PIPE</p> <p>16:00 GOING BACK IN THE HOLE WITH TRAMP PIPE WITH CLOSED BOTTOM + OPEN SIDES TO RAAP MUD OUT</p> <p>NATHAN WISEN WITH EPA REGION 5 CAME BY TO CHECK ON PROGRESS FOR DON DIBUILLIO</p> <p>16:30 NATHAN WISEN OFF-SITE SHUT DOWN FOR THUNDERSTORMS</p> <p>17:30 NEAR MISS WITH TRAMP PIPE SLIPPED AND BROKE PUMPING HEAD JAMES SMITH CALLED IT A DAY FOR BOAT THE TRAMP PIPE IS AT 270 FT - BGS</p> <p>18:00 BOAT + SHAW OFF-SITE</p>	
<p>VISITORS ON SITE: RUSS OTTO, JIM EGLES, CODY SEAL, ADAM ENSIGN, RILEY OSTLER, + JAMES SMITH WITH BOAT COMPANY</p> <p>DON DIBUILLIO WITH EPA</p>	<p>CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:</p> <p>DON DIBUILLIO HAD TO LEAVE AT 12:30 DUE TO FAMILY EMERGENCY</p>
<p>WEATHER CONDITIONS:</p> <p>SUNNY 76° F</p>	<p>IMPORTANT TELEPHONE CALLS:</p> <p>DUE TO DELAY + PROBLEMS CONTINUING IN THE CASING CHANGED FLIGHTS OUT BY ONE EXTRA DAY</p>
SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HIATT	
SIGNATURE: <i>James H. Wilson</i>	DATE: 6/29/10

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FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	30	10
	NO.			
	SHEET	OF		

PROJECT NAME: EPA PAVILION DRILLING	PROJECT NO.: 135.976
FIELD ACTIVITY SUBJECT: CEMENT GROUT THE 4" TNC Casing	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
<p>7:00 BOARD - SHAW ON SITE</p> <p>7:30 TAILGATE SAFETY MEETING</p> <p>8:00 GOING BACK IN THE HOLE WITH T-MATE PIPE STARTING AT 210 FT-BGS - CIRCULATING MUD THROUGH THE T-MATE PIPE EVERY 60 FEET TO KEEP ANYTHING FROM CLOGGING THE T-MATE PIPE AND CONDITION THE MUD FOR CEMENTING</p> <p>12:15 ON BOTTOM AT 958 FT-BGS WITH T-MATE PIPE & CIRCULATION MUD UP THE HOLE</p> <p>14:45 PUMPING WATER TO PUSH ALL MUD OUT OF T-MATE PIPE DOWN TO 958 FT-BGS</p> <p>15:00 PUMPING SAND DOWN TO 958 FT-BGS 100 LB BAG</p> <p>15:10 PRESSURE HOSE BUST</p> <p>15:45 PUMPING MUD BACK DOWN THE HOLE</p> <p>16:00 PUMPED IN 55 GALLONS OF PORTLAND CEMENT DOWN THE HOLE FOLLOWED BY 150 GALLONS OF MUD TO PUSH THE CEMENT OUT OF THE T-MATE PIPE MAKING A 45 FOOT SEAL</p> <p>16:15 PULLED UP 80 FEET UP THE HOLE AND CIRCULATE MUD</p> <p>17:00 BOARD & SHAW OFF-SITE</p>	
VISITORS ON SITE: ROSS OTTO, EDDY SEAL, ADAM ENGLISH, RYAN OSTLER, SIM EBBENS WITH MUDMOT	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS: SUNNY 76° F	IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: JIM WILSON	
SIGNATURE: <u>Jim Wilson</u>	DATE: 6/30/10

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FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	7	1	10
	NO.			
	SHEET	OF		

PROJECT NAME: EPA PAVILLION DRILLING		PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: CEMENT GROUT THE 4" TNC CASING		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:		
7:00	SHAW + BURNETT ON SITE	
7:30	TAILGATE SAFETY MEETING	
8:00	TRIED TO CIRCULATE MUD THROUGH TRENCH PIPE AND WOULD NOT PUSH THE MUD OUT	
8:10	PULLING OUT OF THE HOLE UNTIL MUD CAN CIRCULATE THROUGH TRENCH PIPE. MUD CAME AND FLOWED ON THE OTHER WALLS OF THE TRENCH PIPE SO WASHING OUT EACH END TO CLEAN OUT TRENCH PIPE	
9:45	ALL TRENCH PIPE CLEARED AND GOING BACK IN THE HOLE	
10:00	FIRST CEMENT TRUCK IS ON SITE + SECOND TRUCK CIRCULATING MUD AS THE TRENCH GOES DOWN TO BOTTOM	
11:20	TAGGED BOTTOM AT 946 FT - BGS AT TO POK CEMENT PLUG PULLED UP TO 940 FT - BGS TO START PUMPING CEMENT CEMENT WT - 13.9 MUD WT - 9.8	
11:30	PUMPING CEMENT DOWN THE HOLE AT 940 FT - BGS	
12:25	PULLED OUT 400 FT OF TRENCH PIPE	
12:45	PULLED OUT 120 FT OF TRENCH PIPE FIRST CEMENT TRUCK BATTY PUMPED IN 10 CUBIC YARDS OF CEMENT WITH FIRST TRUCK	
13:20	PULLED OUT 120 FT OF TRENCH PIPE	
13:35	CEMENTED ALL THE WAY TO THE TOP OF CASING	
14:00	OUT OF THE HOLE WITH THE TRENCH PIPE PUMPED IN 4 CUBIC YARDS FOR A TOTAL OF 14 CUBIC YARDS OF CEMENT	
14:15	CLEAN UP + EMPTY HOSES + TRENCH PIPE FLUSHED	
14:15	EMPTY WOODY PUMP TANK AND HOSES FLUSHED	
17:30	SHAW + BURNETT OFF SITE	
VISITORS ON SITE: RUSS OTTO, JIM EGGERS, CODY SEAL, ADAM EASION, RILEY OSTLER		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS: SUNNY 62°F		IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: JIM WILSON		
SIGNATURE: <i>Joanna Wilson</i>		DATE: 7/1/10

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS:	IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: <u>JIM WILSON, JENNY PRINCE</u>	
SIGNATURE: <u>Jim Wilson</u> DATE: <u>7/12/10</u>	

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FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	7	13	10
	NO.	1		
	SHEET	1	OF	1

PROJECT NAME: EPA PAVILLION DRILLING PROJECT NO.: 139703

FIELD ACTIVITY SUBJECT: DEMOBING FROM LOCKER TO RANDALL SITE

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:00	SHAW ON-SITE JIM WILSON + JENNY PRINCE
7:15	BOAT LONGER ON-SITE
7:45	TAIL GATE SAFETY MEETING
8:00	JENNEY SCHOONER ON-SITE WITH WEATHERFORD
8:20	START UP RIG + MUD SYSTEM
8:45	OPEN BOP AND START DISASSEMBLING THE DRILLING HEAD + FLOOR FOR BOP REMOVAL
9:30	BACK DOWN RIG AND MOVE OFF OF PLATFORM
10:00	US. DEPT OF LAND MGMT STOPPED BY TO MAKE SURE LOCKER HW-1 WAS A MONITORING WELL AND NOT A GAS WELL UNDER THEIR JURISDICTION
10:20	RAIN FUM REPT ON-SITE TO DELIVER 2-25CY FILTER PUMPS AT ZOR RANDALL'S WELL LOCATION SITE
11:00	MOVING PLATFORM OFF OF WELL LOCATION SO BOP CAN BE REMOVED
12:00	REMOVED BOP FROM LOCKER HW-1. JENNEY SCHOONER OFF-SITE
13:00	CONSTRUCTING WELL COMPLETION FOR LOCKER HW-1 USING SEMCO COMPLETION RIG
18:00	SHAW + BOAT OFF-SITE

VISITORS ON SITE: RUSS OTTO, CODY SEAL, ADAM FASION, RILEY OSTEN WITH BOATS JENNEY SCHOONER WITH WEATHERFORD

CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:

WEATHER CONDITIONS: SUNNY 70°F

IMPORTANT TELEPHONE CALLS:

SHAW PERSONNEL ON SITE: JIM WILSON, JENNY PRINCE

SIGNATURE: *Jim Wilson* DATE: 7/13/10